

Title	Cover
Author(s)	
Citation	The Review of Physical Chemistry of Japan (1939), 13(2)
Issue Date	1939-08-31
URL	http://hdl.handle.net/2433/46545
Right	
Type	Others
Textversion	publisher

VOLUME XIII

NUMBER 2

**THE REVIEW
OF
PHYSICAL CHEMISTRY
OF JAPAN**

WITH
COMPLETE ABSTRACTS OF THE
PHYSICO-CHEMICAL LITERATURE
IN JAPAN

AUGUST, 1939

**BOARD OF THE PHYSICO-CHEMICAL
SOCIETY OF JAPAN**

President

Y. OSAKA, Member of the Imperial Academy

Adviser

E. FUJII

Chief Director

T. HANEDA, President of the Kyoto Imperial University

Director

B. ARAKATSU, Professor of the Kyoto Imperial University

K. HANASHIMA, Vice-admiral of the Imperial Japanese Navy

S. HATANO, Managing Director of Japan Society for the Promotion of
Scientific Research

S. HORIBA, Professor of the Kyoto Imperial University

T. HORIUTI, Professor of the Hokkaido Imperial University

T. ITIKAWA, Professor of the Hiroshima Bunrika University

S. IIMORI, Member of Research Staff of the Institute of Physical
and Chemical Research

W. JONO, Professor of the Ryojun College of Engineering

M. KATAYAMA, Professor Emeritus of the Tokyo Imperial University

S. KIKUCHI, Professor of the Osaka Imperial University

M. KIMURA, Professor of the Kyoto Imperial University

G. KITA, Head of the Institute for Chemical Research of the Kyoto
Imperial University

M. MATSUI, Professor Emeritus of the Kyoto Imperial University

Y. MATSUOKA, Rear-admiral of the Imperial Japanese Navy

I. NITTA, Professor of the Osaka Imperial University

J. SAMESHIMA, Professor of the Tokyo Imperial University

N. SASAKI, Professor of the Kyoto Imperial University

J. SHIDEI, Professor of the Tokyo Bunrika University

S. TAMARU, Ex-Professor of the Tokyo University of Engineering

T. TITANI, Professor of the Osaka Imperial University

H. TOMINAGA, Professor of the Tohoku Imperial University

Treasurer

T. NAKAMURA, Secretary of the Kyoto Imperial University

I. IRIE, Secretary of the Kyoto Imperial University

M. KUBOKAWA, Ex-Assistant Professor of the Kyoto Imperial University

M. TAMURA, Assistant Professor of the Kyoto Imperial University

Secretary

H. MATSUYAMA, Laboratory Assistant of the Kyoto Imperial University

We shall be obliged to assist in the exchange of correspondence between our readers and the authors of the papers abstracted in this journal.

Secretaries.

THE REVIEW OF PHYSICAL CHEMISTRY OF JAPAN

Price \$ 3.00 for yearly subscription (including postage)

The Agent for the Sale

**MARUZEN Co. Ltd., TOKYO,
JAPAN**

昭和14年8月25日印刷 物理化學の進歩英文誌

昭和14年8月31日發行 第13卷 第2輯

(年3回刊行)

編輯兼發行所

堀 場 信 吉

京都帝國大學物理化學研究室

印刷費

福 井 松 之 助

京都市中京區御馬場三條南

印刷所

株式會社 似 玉 堂

京都市中京區御馬場三條南

定價 80錢 (送料6錢)

購讀者會員會費 1年分2圓 (前金, 送料共)

發行所

日本物理化學研究會

購讀者申込

振替・京都6047番

發賣所

岩 波 書 店

東京市神田區一ツ橋二ノ三

丸善株式會社京都支店

京都市中京區三條東町

◆ 本誌に關する批評, 注意, 要求等は京都帝國大學物理化學研究室內, 外山 修宛に願ひます。

EDITORS :
SHINKICHI HORIBA (KYOTO)
JITSUSABURO SAMESHIMA (TOKYO)

Rev. Phys. Chem. Japan, XIII (1939).

Contents

Originals

- Ryutaro Tsuchida and Masahisa Kobayashi: Extended Co-ordination
Theory of Valency, (III) Valence Bonds in Carbon Compounds.... 61
- Eiji Suito: Thermal Analysis of the Catalytic Action of Colloids. (I)
Catalytic Decomposition of Hydrogen Peroxide by Colloidal Platinum. 74
- Kimio Kawakita: On the Chemisorption of Carbon Dioxide by Reduced
Iron. (III) Thermodynamic Consideration of the Chemisorption.... 87
- Tetsuzo Kitagawa: Emission Spectrum of the Oxy-Hydrogen Flame and
its Reaction Mechanism. (I) Formation of the Activated Water
Molecule in Higher Vibrational States. 96

Abstracts 108

Published three times a year (April, August and December) by

THE PHYSICO-CHEMICAL SOCIETY OF JAPAN

in the Department of Physical Chemistry,
Kyoto Imperial University, Japan.

Dear Sir,

Two years have passed since the English edition of "The Review of Physical Chemistry of Japan" was sent out to universities and laboratories in the world with the support of various academic circles in Japan. We flatter ourselves that this journal has taken a leading part in introducing the most recent developments of our chemical world to you through complete abstracts of Japanese physico-chemical literature.

We thank you for your kind support and encouragement in our publication under many difficulties and solicit your further support in our future activities,

Yours faithfully,

Shinkichi Horiba and Jitsusaburo Sameshima
Editors.

August, 1939.

Subscription Rate: Price \$3.00 per year (including postage)

The Agent for the Sale

MARUZEN CO. LTD., TOKYO,
JAPAN.

Please send me "The Review of Physical Chemistry of Japan" for which I enclose postal money order for \$3.00.

Name.....

Address.....

.....